Garnet
Garnet Global Training Center

GGT-MM-120

Mechanical, Maintenance & Reliability

Infrared Thermography Inspection

الفحص بالتصوير الحراري بالأشعة تحت الحمراء

Duration	Language	Formats	Hours	Level
5 or 10 days	**English or Arabic**	**Classroom, online, in-house**	**35 / 70**	**Intermediate (practitioner)**

Overview

Infrared Thermography Inspection focuses on how the work is actually done: the methods, checks and decisions practitioners use every day, illustrated with real cases from the region. Keep equipment running longer, fail less and plan maintenance on evidence instead of habit. You can join a public session in one of 20 cities or live online, in English or Arabic, or bring the course in-house with examples from your own operations.

What you will be able to do

- Apply the methods and standards of Infrared Thermography Inspection to real tasks.
- Share good practice with your team.
- Use the right tools, checks and calculations step by step.
- Diagnose common problems and identify root causes.
- Interpret data and results correctly and act on them.

Who should attend

Mechanical and maintenance engineers, reliability specialists, planners and workshop supervisors. Practitioners with one to five years of experience benefit most.

Key topics

- Failure modes and degradation mechanisms
- Condition monitoring techniques
- Maintenance strategy and planning
- Spare parts and work order discipline
- Reliability metrics: MTBF, MTTR, OEE
- CMMS data and continuous improvement

Formats and fees

5-day classroom	**USD 4,750**
5-day online	**USD 2,950**
10-day classroom	**USD 8,950**
10-day online	**USD 5,450**
In-house	**Quotation per group**

Fees per participant, excluding VAT.

Register or ask

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Email: info@garnettrainings.com

Training: training@garnettrainings.com

Web: garnettrainings.com

Sharjah Publishing City Free Zone, Sharjah, UAE

Certificate

Participants who attend at least 90% of sessions and complete the final assessment receive a certificate of completion stating 35 contact hours (5-day) or 70 contact hours (10-day).

5-day outline

Day 1 Infrared Thermography Inspection: principles and standards

- Condition monitoring techniques
- Measurement and reporting

Day 2 Methods and tools in practice

- Maintenance strategy and planning
- Spare parts and work order discipline

Day 3 Diagnosis and problem solving

- Reliability metrics: MTBF, MTTR, OEE
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- CMMS data and continuous improvement
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Failure modes and degradation mechanisms
- Regional and international case studies

10-day outline

Day 1 Infrared Thermography Inspection: principles and standards

- Condition monitoring techniques
- Measurement and reporting

Day 2 Methods and tools in practice

- Maintenance strategy and planning
- Spare parts and work order discipline

Day 3 Diagnosis and problem solving

- Reliability metrics: MTBF, MTTR, OEE
- Hands-on workshop on a workplace challenge

Day 4 Quality, safety and documentation

- CMMS data and continuous improvement
- Common mistakes and how to avoid them

Day 5 Workshop, assessment and action plan

- Failure modes and degradation mechanisms
- Regional and international case studies

Day 6 Advanced techniques and specialist practice

- Complex cases in depth
- Checklists and templates to take away

Day 7 Digital tools, data and automation

- Analysis tools and software
- Using AI in this field

Day 8 Benchmarking against international practice

- Global performance benchmarks
- Group discussion and peer review

Day 9 Capstone project

- Analyse a real challenge from your organisation
- Build the solution and implementation plan

Day 10 Presentations, final assessment and certificates

- Project presentations and review
- Final exam and certificate award

Schedule 2027–2030

Dates	Format	City	Language	Fee (USD)
17–21 May 2027	5-day classroom	Amsterdam	English	4,750
14–25 Jun 2027	10-day classroom	London	English	8,950
18–22 Jul 2027	5-day classroom	Riyadh	English	4,750
16–20 Aug 2027	5-day online	Live online	Arabic	2,950
21–25 Feb 2028	5-day classroom	Amsterdam	English	4,750
4–15 Sep 2028	10-day online	Live online	English	5,450
15–19 Oct 2028	5-day classroom	Kuwait City	English	4,750
17–28 Dec 2028	10-day classroom	Doha	English	8,950
15–19 Jan 2029	5-day classroom	Amsterdam	English	4,750

Dates	Format	City	Language	Fee (USD)
13–17 Aug 2029	5-day classroom	Dubai	Arabic	4,750
3–7 Sep 2029	5-day online	Live online	English	2,950
8–19 Oct 2029	10-day classroom	Abu Dhabi	Arabic	8,950
15–19 Apr 2030	5-day classroom	Dubai	English	4,750
17–28 Jun 2030	10-day online	Live online	Arabic	5,450
8–12 Sep 2030	5-day classroom	Riyadh	English	4,750
11–22 Nov 2030	10-day classroom	Singapore	English	8,950

Customised and in-house versions of this course are available on request. garnettrainings.com/en/customise/